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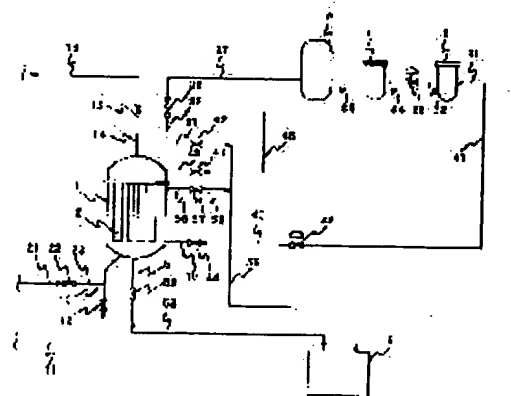
KOBAYASHI MASATO

(54) FILTER USING HOLLOW-FIBER MEMBRANE AND METHOD FOR BACKWASHING IT

(57)Abstract:

PROBLEM TO BE SOLVED: To improve the efficiency in backwashing by combining draining methods and liquid levels in backwashing when a hollow-fiber membrane equipped with hollow-fiber membrane modules in a container is backwashed with the air.

SOLUTION: The pressurized air is quickly supplied to a filter tower body container, and a waste liquid from backwashing is drained for a short time. Moreover, the efficiency is improved in the drainage of granular impurities during backwashing by changing liquid levels when the lower air from a lower air intake valve 44 is backwashed to remove residual granular impurities in parts inside the filter tower and interstices between modules by liquid level vibration and combining the high-pressure backwash with the upper air, the low-pressure air backwash with the lower air and the regulation of liquid levels.



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